

### MIX Tags

#### <mix:attribute>

```
<Employee xmlns:mix="http://bitstew.com/schemas/1.0/xml-template">
  <mix:attribute name="salary">10000</mix:attribute>
</Employee>
```

#### <mix:function>

```
<mix:function name="getMessage"> Hello World! </mix:function>
<FnResult>
  <mix:call-function name="getMessage" />
</FnResult>
```

#### <mix:column>

```
<mix:for-each select="1 to 5">
  <mix:insert source="testDB" table="catalog">
    <mix:column name="id">NEW00{.</mix:column>
    <mix:column name="name">New item {.</mix:column>
  </mix:insert>
</mix:for-each>
```

#### <mix:email>

```
<mix:email source="myEmail">
  <mix:from>from@demo.com</mix:from>
  <mix:subject>Test</mix:subject>
  <mix:body>This is a sample message</mix:body>
  <mix:recipient>to@demo.com</mix:recipient>
</mix:email>
```

#### <mix:function>

```
<mix:function name="str:reverse" as="xs:string">
  <mix:param name="sentence" as="xs:string"/>
  <mix:sequence select="if (contains($sentence, ' '))
    then concat(str:reverse(substring-after($sentence, ' ')), ' ',
    substring-before($sentence, ' ')) else $sentence"/>
</mix:function>
```

#### <mix:insert>

```
<mix:for-each select="1 to 5">
  <mix:insert name="insertCount" source="testDB" table="catalog">
    <mix:column name="id">NEW00{.</mix:column>
    <mix:column name="name">New item {.</mix:column>
  </mix:insert>
```

#### <mix:java-function>

```
</mix:java-function>
<CamelCase>{toCamelCase('HELLO WORLD')}</CamelCase>
</Template>
```

#### <mix:message>

```
<Document xmlns:mix="http://bitstew.com/schemas/1.0/xml-template">
  <mix:message>hello world</mix:message>
</Document>
```

#### <mix:break>

```
<mix:for-each select="1 to 5">
  <mix:if test="$count = 2">
    <mix:break/>
  </mix:if>
  <mix:global-variable name="count" select="$count + 1" as="xs:integer"/>
</mix:for-each>
```

#### <mix:choose>

```
<mix:choose>
  <mix:when test="/Account/Balance > 10000">
    <font color="black">
      <b>${$balance}</b>
    </font>
  </mix:when>
  <mix:when test="/Account/Balance <= 100">
    <font color="red">
      <b>${$balance}</b>
    </font>
  </mix:when>
  <mix:otherwise>
    <font color="black">
      <b>${/Account/Balance}</b>
    </font>
  </mix:otherwise>
</mix:choose>
```

#### <mix:copy-of>

```
<Books>
  <Book rating="10">
    <Title>Moby Dick</Title>
  </Book>
  <Book rating="5">
    <Title>Rug Rats</Title>
  </Book>
</Books>
</mix:variable>
<mix:copy-of select="$books/Books/Book[@rating = 10]/Title"/>
```

#### <mix:if>

```
<mix:if test="/Book/@price <= 10">
  <Discounted>
  <mix:copy-of select="/Book/@isbn"/>
</Discounted>
</mix:if>
```

#### <mix:include>

```
<mix:include href="http://www.bitstew.com/test.xml"/>
```

#### <mix:jdbc>

```
<mix:jdbc-source name="testDB" url="jdbc:postgresql:test"
  username="postgres" password="password" driver="org.postgresql.Driver"/>
```

#### <mix:jms-source>

```
<mix:jms-source name="jmq" url="jmq.test.bitstew.com:10000"
  context-factory="org.jnp.interfaces.NamingContextFactory"
  connection-factory="SecureConnectionFactory"
  username="user" password="password"
  exception-listener="com.bitstew.examples.ExceptionListener"
  close-on-exit="yes">
  <mix:property name="java.naming.factory.url.pkgs"
  value="org.jboss.naming:org.jnp.interfaces"/>
</mix:jms-source>
```

#### <mix:prepared-call>

```
<mix:prepared-call source="testDB" name="testCall">
  <mix:statement>? = call upper(?)</mix:statement>
  <mix:jdbc-out-param name="upper" type="java.sql.Types.VARCHAR"/>
  <mix:jdbc-param type="java.sql.Types.VARCHAR">
    lowercase to uppercase
  </mix:jdbc-param>
</mix:prepared-call>
```

### MIX Tags (con

```
<Inventory xmlns="http://bitstew.com/schemas/1.0/xml-template">
  <mix:value-of select="/Inventory/@book/Title"
  disallowing="yes">
  </mix:value-of>
</Inventory>
```

### Mix Expressions

```
<mix:async-xslt>
<mix:attribute>
<mix:body>
<mix:break>
<mix:cached-value>
<mix:call-function>
<mix:call-template>
<mix:choose>
<mix:coalesce>
<mix:column>
<mix:comment>
<mix:configuration>
<mix:copy-of>
<mix:custom-selector>
<mix:debug>
<mix:declare-namespace>
<mix:decrypt-xslt>
<mix:delete>
<mix:delete-document>
<mix:delete-group>
<mix:descriptive>
<mix:doctype>
<mix:document>
<mix:document-element>
<mix:document-property>
<mix:document-selector>
<mix:document-type>
<mix:document-uri>
<mix:element>
<mix:email>
<mix:email-source>
<mix:encrypt-xslt>
<mix:entity>
<mix:escape>
<mix:exception>
<mix:exception>
<mix:exit>
<mix:field-map>
<mix:file-field>
<mix:file-source>
<mix:file-target>
```

<pre>&lt;mix:prepared-insert&gt; &lt;mix:prepared-insert name="insertCount" key- name="keys" source="testDB" table="catalog"&gt; &lt;mix:column name="id"&gt;NEW010&lt;/mix:column&gt; &lt;mix:column name="name"&gt;New item 10&lt;/mi- x:column&gt; &lt;/mix:prepared-insert&gt;</pre>	<pre>&lt;mix:streaming-file-source&gt; &lt;mix:streaming-file-source name="addresses" path="test.csv" type="delimit- er-separated" delimiter="," trim="true" callback="myCallback" /&gt;</pre>	<pre>&lt;mix:for-each&gt; &lt;mix:from&gt; &lt;mix:function&gt; &lt;mix:get-docu &lt;mix:get-hbas &lt;mix:global-va &lt;mix:group&gt; &lt;mix:hdfs-file-s &lt;mix:hdfs-file-t &lt;mix:http-heac &lt;mix:http-para &lt;mix:http-sour &lt;mix:id&gt; &lt;mix:if&gt; &lt;mix:ignore&gt; &lt;mix:include&gt; &lt;mix:index&gt; &lt;mix:index-doc &lt;mix:index-hba &lt;mix:input-vari &lt;mix:insert&gt; &lt;mix:java-cons &lt;mix:java-func &lt;mix:java-para &lt;mix:jdbc-out-p &lt;mix:jdbc-para &lt;mix:jdbc-sour &lt;mix:jms-cons &lt;mix:jms-sourc &lt;mix:join-docu &lt;mix:key-sourc &lt;mix:library&gt; &lt;mix:message &lt;mix:namespa &lt;mix:nbsp&gt; &lt;mix:nil&gt; &lt;mix:no-match &lt;mix:open-agg &lt;mix:open-fac &lt;mix:open-filte &lt;mix:open-que &lt;mix:option&gt; &lt;mix:otherwise &lt;mix:output&gt; &lt;mix:param&gt; &lt;mix:prepared &lt;mix:prepared &lt;mix:prepared &lt;mix:prepared &lt;mix:prepared &lt;mix:processir &lt;mix:property&gt; &lt;mix:query&gt; &lt;mix:raw-prep &lt;mix:raw-quer &lt;mix:receive-jr &lt;mix:recipient; &lt;mix:request&gt;</pre>
<pre>&lt;mix:value-of&gt;</pre>	<pre>&lt;mix:when&gt;</pre>	

<mix:run-temp  
<mix:saved-gr  
<mix:saved-se  
<mix:save-gro  
<mix:save-sea  
<mix:scroll-doc  
<mix:search-di  
<mix:search-sj  
<mix:search-sl  
<mix:send-jms  
<mix:sequence  
<mix:session-v  
<mix:set-timeo  
<mix:setting>  
<mix:sleep>  
<mix:sort>  
<mix:statemen  
<mix:static-var  
<mix:status>  
<mix:stop>  
<mix:streaming  
<mix:streaming  
<mix:subject>  
<mix:synchron  
<mix:tag>  
<mix:template:  
<mix:thread>  
<mix:thread-gr  
<mix:thread-va  
<mix:transacti  
<mix:transacti  
<mix:type>  
<mix:unescape  
<mix:update>  
<mix:update-d  
<mix:upsert-dc  
<mix:value-of>  
<mix:variable>  
<mix:when>  
<mix:while>  
<mix:with-para  
<mix:xml-sourc



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